

Prasath G

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Professional Summary

Final-year B.E. Computer Science and Engineering (Cyber Security) student with practical experience in Cybersecurity, Artificial Intelligence, Full Stack Development, Data Science and Machine Learning. Skilled in building AI-powered web applications, secure REST APIs and cybersecurity-focused solutions. Passionate about secure software development, web application security and modern AI technologies.

Education

SRM Madurai College for Engineering and Technology

Bachelor of Engineering, Computer Science and Engineering (Cyber Security)

2023–2027

CGPA: 7.5

Technical Skills

Programming: Python, JavaScript, TypeScript

Frontend: React.js, HTML, CSS

Backend: Node.js, Express.js, REST APIs

AI: TensorFlow, OpenCV, Google Gemini API

Cybersecurity: Kali Linux, Burp Suite, OWASP Top 10, Network Security, Web Application Security, Vulnerability Assessment

Database: SQLite, Supabase

Tools: Git, GitHub, VS Code, Postman, Jupyter Notebook, Render, Vercel

Internship Experience

HDL Technologies

Data Science & Machine Learning Intern

Jun 2025 – Aug 2025

- Performed data preprocessing, exploratory data analysis, feature engineering and machine learning model evaluation.
- Built visualizations using industry datasets and collaborated on data-driven solutions.

White and Box Tech Products and Services

Cybersecurity Intern

Jun 2026 – Jul 2026

- Contributed to the VigilCode project using React, TypeScript, Node.js and Express.
- Worked with secure sandbox concepts, URL and file analysis concepts using Kali Linux, Burp Suite and Git.

Projects

SmartSkincare AI

- Developed an AI-powered skincare recommendation platform using React, TypeScript, Node.js, Express.js, TensorFlow, OpenCV, and Google Gemini API.
- Implemented image upload functionality for AI-based skin analysis and personalized skincare recommendations.
- Designed secure backend REST APIs integrated with Supabase for efficient data management.

- Deployed the application using Render and Vercel with a responsive interface for desktop and mobile users.
- GitHub: github.com/prasath107/smarts skincare.ai
- Live Demo: smarts skincare.netlify.app

VigilCode – AI-Powered Secure URL, File and Application Analysis Platform

2026 – In Development

- Developing a cybersecurity platform for secure analysis of suspicious URLs, uploaded files, and applications through sandbox-oriented workflows.
- Building responsive frontend and backend modules using **React.js, TypeScript, Node.js, Express.js**, and REST APIs to support secure analysis and reporting.
- Designing secure URL inspection, file analysis workflows, and cybersecurity-focused dashboards while following secure software development practices.
- Applying cybersecurity concepts including **Web Application Security, OWASP Top 10 Awareness, Vulnerability Assessment, Network Security**, and Defensive Security Practices using **Kali Linux** and **Burp Suite**. • Managing project architecture, API integration, version control with Git and GitHub, and documentation. Public GitHub release planned upon project completion.

Technologies: React.js, TypeScript, Node.js, Express.js, REST APIs, Kali Linux, Burp Suite, Git, GitHub, VS Code, Postman

GitHub: To be Published

Shuddhikaar

- Developed an IoT-enabled smart sanitation monitoring platform with a responsive web dashboard.
- Integrated occupancy sensing, odor monitoring, and water level monitoring for intelligent maintenance tracking.
- Designed automation workflows to improve sanitation management and maintenance alert generation.
- Built using React, TypeScript, Node.js, and cloud deployment platforms.
- Live Demo: shuddhikaar-web.vercel.app
- Prototype: shuddhikaar.lovable.app

Leadership

ISTE Student Chapter — TechDay Event Coordinator

- Coordinated technical event activities involving more than 300 participants.
- Assisted in event planning, scheduling, volunteer coordination, and technical support.
- Collaborated with faculty members and student teams to ensure successful event execution.
- Strengthened leadership, communication, teamwork, and organizational skills.

Certifications

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| • Foundations of Cybersecurity – Coursera | Certificate |
| • Data Mining – NPTEL | Certificate |
| • Cybersecurity Analyst Job Simulation – Tata Forage | Certificate |
| • Encryption Fundamentals – AWS | Certificate |
| • Data Science Tools for AI Applications – SRM Institute | Certificate |